

Claims

1. An organic electroluminescent device comprising:
a light reflecting layer,
5 a light semi-transmitting layer and
a light interference part including an organic
emitting layer, the part being formed between the light
reflecting layer and the light semi-transmitting layer;
the spectrum of reflected light emitted from the light
10 semi-transmitting layer having at least three minimum
values in the wavelength region of 400 to 800 nm when light
having a wavelength of 400 to 800 nm enters from the light
semi-transmitting layer.
- 15 2. The organic electroluminescent device according to
claim 1, wherein at least one of the light reflecting layer
and the light semi-transmitting layer is a drive electrode.
3. The organic electroluminescent device according to
20 claim 1, wherein the light reflecting layer is a reflective
electrode.
4. The organic electroluminescent device according to
claim 1, wherein the light interference part comprises at
25 least one of,
a first inorganic compound layer between the light
reflecting layer and the organic emitting layer and,
a second inorganic compound layer between the organic
emitting layer and the light semi-transmitting layer.

5. The organic electroluminescent device according to claim 4, wherein at least one of the first and second inorganic compound layers is a transparent electrode.
- 5 6. The organic electroluminescent device according to claim 1, wherein the light semi-transmitting layer is provided with a light diffusion part.
7. An organic electroluminescent device comprising:
- 10 a first light semi-transmitting layer,
a second light semi-transmitting layer and
a light interference part including an organic emitting layer, the part being formed between the first light semi-transmitting layer and the second light semi-transmitting layer;
- 15 the spectrum of transmitted light emitted from the first light semi-transmitting layer having at least three maximum values in the wavelength region of 400 to 800 nm when light having a wavelength of 400 to 800 nm enters from
- 20 the second light semi-transmitting layer.
8. The organic electroluminescent device according to claim 7, wherein at least one of the first light semi-transmitting layer and the second light semi-transmitting
- 25 layer is a drive electrode.
9. The organic electroluminescent device according to claim 7, wherein the light interference part comprises at least one of,
- 30 a first inorganic compound layer between the first light

semi-transmitting layer and the organic emitting layer and, a second inorganic compound layer between the organic emitting layer and the second light semi-transmitting layer.

5 10. The organic electroluminescent device according to claim 9, wherein at least one of the first and second inorganic compound layers is a transparent electrode.

11. The organic electroluminescent device according to
10 claim 7, wherein at least one of the first and second light semi-transmitting layers is provided with a light diffusion part.

12. A display comprising a color conversion member and the
15 organic electroluminescent device according to claim 1 or 7.

13. A display comprising a color filter and the organic electroluminescent device according to claim 1 or 7.